**WARM UP:**

1. There are 617 students in the senior class this year. Write instructions for taking an SRS of 10 students from the class, using the section of the TRD given below. Then take the sample, listing the numbers of the students that you select.

82534 39485 29576 29574 20684 30674 07853 30586 03865 97856 15342 11223 54432

1. A club has many members, of all different grades. They want to randomly select 10 students to be the executive council of the club, and they want 4 underclassmen (freshmen &sophomores) and 6 upperclassmen (juniors & seniors). Below are the club members, listed by grade. Write instructions on how to take a STRATIFIED random sample. Then use the TRD given to do this sample.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Underclassmen** | | |  |  |  | **Upperclassmen** | | |  |  |  |  |  |  |
| Jim |  | Kristen |  | Allison |  | Alyssa |  | James |  | Samantha | | Dan |  | Ashley |
| Karen |  | Chris |  | Stacy |  | Logan |  | Bill |  | Carter |  | Jordan |  | Josh |
| Larry |  | Bart |  | Megan |  | Wally |  | Rachel |  | Emma |  | Emily |  | Nick |
| John |  | Stanley |  | Lauren |  | Mara |  | Jared |  | Joey |  | Kevin |  | Kaitlin |
| Matt |  | Tobey |  | Katie |  | Frank |  | Krista |  | Taylor |  | Patrick |  | Todd |
| Dan |  | Corey |  | Alexa |  | Marissa |  | Tim |  | Lucy |  | Shaun |  | Max |
| Brandon |  | Alex |  | Sue |  | Jeff |  | Erin |  | Robert |  | Shannon |  | Alexandra |

**TRD:**

Line 28: 74956 02047 10134 83715 28648 17264 95721 59273 04856 91735 02835

15243 09807 04031 63856 18356 06835 10275 83651 34256 22225 92745

Line 65: 21323 43435 02747 10284 38351 93762 18163 10375 63945 07365 02846

02894 71936 92746 96764 68675 21542 36528 31254 74156 95214 75214

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